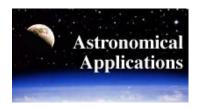# FAME
Software Management WG
Status Report

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Astronomical Applications

U.S. Naval Observatory

1 September 2000

Software Management Working Group

Mission Statement

Produce a Software Management Plan that addresses development methodology, standards, and configuration control for the operational pipeline software.

Members

J. Bangert (chair), R. Gaume (*ex officio*), G. Hennessy, S. Horner, J. Munn, M. Murison, and R. Reasenberg

Contributions from N. Oliversen and N. Zacharias

Status

FAME Software Management Plan
Version 2; 13 June 2000

What's Done

- **Experiences from other projects**
  - SDSS, MICA, STELLA, Starlink

- **General design philosophy**
  - Decoupled Computational Engine and Executive
  - Concept of prototype code
  - Cross-platform development of CE

- **Computational Engine**
  - Language: ANSI C
  - Design guidelines, coding rules, style standards, etc.

What's Done (continued)

- **Executive**
  - Survey of language candidates

- **Version control**
  - Strategy
  - Tool: CVS

- **Quality assurance**
  - Strategy
  - Tool: GNATS (bug tracking)

What's Not Done or What's Incomplete

- Language choice for Executive

- Plotting/graphics library

- Numerical methods library

What's Next

- Hire experienced s/w project manager with "space mission" experience

- Decisions
  - See preceding slide
  - Database
  - Other things?

- Start serious design work
  - Pipeline DFDs
  - Data model
  - Specify software modules